

**Hardness-Dependent Effluent Limits for Copper
Criterion Maximum Concentration**

Hardness (mg/l as CaCO ₃)	Copper Concentration Limitation ^{1,2}
<25	Must Calculate
25	2.7
30	3.2
35	3.7
40	4.1
45	4.5
50	5.0
55	5.4
60	5.8
65	6.2
70	6.6
75	7.0
80	7.4
85	7.8
90	8.2
95	8.6
100	9.0
110	9.7
120	10 ²
130	10
140	10
150	10
160	10
170	10
180	10

¹ Criteria Maximum Concentration = $(e^{0.8545[\ln(\text{hardness})]} - 1.702) \times (0.960)$

² The Basin Plan contains a chemical constituent objective for copper of 10 µg/l in the Sacramento-San Joaquin Delta. For surface water that contains a hardness greater 120 mg/l as CaCO₃ the Basin Plan chemical constituent objective for copper shall apply.